

10/27/03

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Substitute for form 1449A/B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	Not Yet Assigned 10/692,730
				Filing Date	Concurrently Herewith
				First Named Inventor	Jian Ni
				Art Unit	N/A
				Examiner Name	Not Yet Assigned D. Jiang
Sheet	1	of	5	Attorney Docket Number	PF293D2

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
DJ	A	US-5,576,191	11-19-1996	Gayle et al.	
DJ	B	US-5,767,065	06-16-1998	Mosley et al.	
DJ	C	US-6,130,325	10/2000	S.K. Goli et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
DJ	D	WO-94/17187-A1	08-04-1994	U.S. Government, Dept. of Health and Human Svs.		

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials [*]	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T ²
DJ	E	Bergers, G. et al., "Alternative promoter usage of the Fos-responsive gene Fit-1 generates mRNA isoforms coding for either secreted or membrane-bound proteins related to the IL-1 receptor," EMBO J. 13:1176-1188, IRL Press Limited (1994).			
↓	F	Bird, T.A. et al., "Evidence that MAP (Mitogen-Activated Protein) Kinase Activation may be a Necessary but Not Sufficient Signal for a Restricted Subset of Responses in IL-1-Treated Epidermoid Cells," Cytokine 4:429-440, Academic Press (1992).			
	G	Cleary, M.L. et al., "Cloning and Structural Analysis of cDNAs for bcl-2 and a Hybrid bcl-2/Immunoglobulin Transcript Resulting from the t(14;18) Translocation," Cell 47:19-28, Cell Press (1986).			
	H	Eldon, E. et al., "The Drosophila 18 wheeler is required for morphogenesis and has striking similarities to Toll," Development 120:885-899, Company Of Biologists Limited (1994).			
	I	Fleischmann, R.D. et al., "Whole-Genome Random Sequencing and Assembly of Haemophilus influenzae Rd," Science 269:496-512, Association for the Advancement of Science (July 1995).			
	J	Gay, N.J. and F.J. Keith, "Drosophila Toll and IL-1 receptor," Nature 351:355-356, Macmillan Publishers Ltd. (1991).			
↓	K	Gayle, M.A. et al., "Cloning of a Putative Ligand for the T1/ST2 Receptor," J. Biol. Chem. 271:5784-5789, American Society for Biochemistry and Molecular Biology, Inc. (March 1996).			

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DJ	L	Greenfeder, S.A. et al., "Molecular Cloning and Characterization of a Second Subunit of the Interleukin 1 Receptor Complex," J. Biol. Chem. 270:13757-13765, American Society for Biochemistry and Molecular Biology, Inc. (June 1995).
	M	Hashimoto, C. et al., "The Toll Gene of Drosophila, Required for Dorsal-Ventral Embryonic Polarity, Appears to Encode a Transmembrane Protein," Cell 52:269-279, Cell Press (1988).
	N	Hopp, T.P., "Evidence from sequence information that the interleukin-1 receptor is a transmembrane GTPase," Protein Science 4:1851-1859, Cold Spring Harbor Laboratory Press (September 1995).
	O	Klemenz, R. et al., "Serum- and oncoprotein-mediated induction of a gene with sequence similarity to the gene encoding carcinoembryonic antigen," Proc. Natl. Acad. Sci. USA 86:5708-5712, National Academy of Sciences of the USA (1989).
	P	Kumar, S. et al., "ST2/T1 Protein Functionally Binds to Two Secreted Proteins from Balb/c 3T3 and Human Umbilical Vein Endothelial Cells but Does Not Bind Interleukin 1," J. Biol. Chem. 270:27905-27913, American Society for Biochemistry and Molecular Biology, Inc. (November 1995).
	Q	Lord, K.A. et al., "Nucleotide sequence and expression of a cDNA encoding MyD88, a novel myeloid differentiation primary response gene induced by IL6," Oncogene 5:1095-1097, McMillan Press (1990).
	R	Mitcham, J.L. et al., "T1/ST2 Signaling Establishes It as a Member of an Expanding Interleukin-1 Receptor Family," J. Biol. Chem. 271:5777-5783, American Society for Biochemistry and Molecular Biology, Inc. (March 1996).
	S	Nomura, N. et al., "Prediction of the Coding Sequences of Unidentified Human Genes. I. The Coding Sequences of 40 New Genes (KIAA0001-KIAA0040) Deduced by Analysis of Randomly Sampled cDNA Clones from Human Immature Myeloid Cell Line KG-1," DNA Res. 1:27-35, Kazusa DNA Research Institute And Universal Academy Press (1994).
	T	Ostrowski, J. et al., "A Serine/Threonine Kinase Activity Is Closely Associated with a 65-kDa Phosphoprotein Specifically Recognized by the ?B Enhancer Element," J. Biol. Chem. 266:12722-12733, American Society for Biochemistry and Molecular Biology, Inc. (1991).
	U	Pamet, P. et al., "IL-1Rrp Is a Novel Receptor-like Molecule Similar to the Type I Interleukin-1 Receptor and Its Homologues T1/ST2 and IL-1R AcP," J. Biol. Chem. 271:3967-3970, American Society for Biochemistry and Molecular Biology, Inc. (February 1996).
	V	Reikerstorfer, A. et al., "Low Affinity Binding of Interleukin-1 β and Intracellular Signaling via NF-?B Identify Fit-1 as a Distant Member of the Interleukin-1 Receptor Family," J. Biol. Chem. 270:17645-17648, American Society for Biochemistry and Molecular Biology, Inc. (July 1995).
✓	W	Schneider, D.S. et al., "Dominant and recessive mutations define functional domains of Toll, a transmembrane protein required for dorsal-ventral polarity in the Drosophila embryo," Genes & Dev. 5:797-807, Cold Spring Harbor Laboratory Press (1991).

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DJ	X	Sims, J.E. et al., "cDNA Expression Cloning of the IL-1 Receptor, a Member of the Immunoglobulin Superfamily," Science 241:585-589, Association for the Advancement of Science (1988).	
	Y	Sims, J.E. et al., "Genomic Organization of the Type I and Type II IL-1 Receptors," Cytokine 7:483-490, Academic Press (August 1995).	
	Z	Stamnes, M.A. et al., "An Integral Membrane Component of Coatamer-coated Transport Vesicles Defines a Family of Proteins Involved in Budding," Proc. Natl. Acad. Sci. USA 92:8011-8015, National Academy of Sciences of the USA (August 1995).	
	AA	Tominaga, S., "A putative protein of a growth specific cDNA from BALB/c-3T3 cells is highly similar to the extracellular portion of mouse interleukin 1 receptor," FEBS Lett. 258:301-304, Elsevier Science Publishers B.V. (1989).	
	AB	Yanagisawa, K. et al., "Presence of a novel primary response gene ST2L, encoding a product highly similar to the interleukin 1 receptor type 1," FEBS Lett. 318:83-87, Elsevier Science Publishers B.V. (1993).	
	AC	Database EST-STS on MASPARG search, WashU-Merck EST Project (St Louis MO, USA) No. H50051, from Hillier et al., "yo26g04.r1 Homo sapiens cDNA clone 179094 5'," (September 1995).	
	AD	Database EST-STS on MASPARG search, Research Institute, Otsuka Pharmaceutical Co. Ltd. (Kagasuno Kawauchi-cho Tokushima, Japan) No D51710, from Fujiwara et al., "Human fetal brain cDNA 5'-end GEN-401D07" (November 1995).	
	AE	Genbank Report, Accession No. AA013099, submitted by Hillier et al. (November 1996).	
	AF	Genbank Report, Accession No. AA251084, submitted by National Cancer Institute, Cancer Genome Anatomy Project (CGAP) (August 1997).	
	AG	Genbank Report, Accession No. R58562, submitted by Hwang et al. (May 1996).	
	AH	Genbank Report, Accession No. N28878, submitted by Hillier et al. (January 1996).	
	AI	Genbank Report, Accession No. AA019348, submitted by Hillier et al. (August 1996).	
	AJ	Genbank Report, Accession No. AA112675, submitted by Hillier et al. (August 1997).	
	AK	Genbank Report, Accession No. AA185741, submitted by Hillier et al. (January 1997).	
	AL	NCBI Entrez, GenBank Report, Accession No. R54718, from Hillier, L. et al. (May 1995).	
	AM	NCBI Entrez, GenBank Report, Accession No. H27168, from Hillier, L. et al. (July 1995).	
	AN	NCBI Entrez, GenBank Report, Accession No. N21637, from Hillier, L. et al. (December 1995).	
	AO	NCBI Entrez, GenBank Report, Accession No. N45687, from Hillier, L. et al. (February 1996).	
	AP	NCBI Entrez, GenBank Report, Accession No. N46921, from Hillier, L. et al. (February 1996).	
	AQ	NCBI Entrez, GenBank Report, Accession No. W58982, from Marra, M. et al. (June 1996).	

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DJ	AR	NCBI Entrez, GenBank Report, Accession No. AA003600, from Marra, M. et al. (July 1996).	
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	AU	Genbank Report, Accession No. AA094735, submitted by Liew, C.C. (October 1996).	
	AV	NCBI Entrez, GenBank Report, Accession No. AA097327, from Marra, M. et al. (February 1997).	
	AW	NCBI Entrez, GenBank Report, Accession No. AA186155, from Marra, M. et al. (February 1997).	
	AX	NCBI Entrez, GenBank Report, Accession No. AA288199, from Marra, M. et al. (April 1997).	
	AY	NCBI Entrez, GenBank Report, Accession No. AA351943, from Adams, M.D. et al. (April 1997).	
	AZ	Genbank Report, Accession No. AA285143, submitted by National Cancer Institute, Cancer Genome Anatomy Project (CGAP) (August 1997).	
	BA	NCBI Entrez, GenBank Report, Accession No. AA413599, from Marra, M. et al. (August 1997).	
	BB	NCBI Entrez, GenBank Report, Accession No. AA393405, from Hillier, L. et al. (August 1997).	
	BC	NCBI Entrez, GenBank Report, Accession No. AA397587, from Hillier, L. et al. (August 1997).	
	BD	NCBI Entrez, GenBank Report, Accession No. AA400773, from Hillier, L. et al. (August 1997).	
	BE	NCBI Entrez, GenBank Report, Accession No. AA251721, from NCI-CGAP (August 1997).	
	BF	NCBI Entrez, GenBank Report, Accession No. AA287714, from NCI-CGAP (August 1997).	
	BG	NCBI Entrez, GenBank Report, Accession No. AA287713, from NCI-CGAP (August 1997).	
	BH	NCBI Entrez, GenBank Report, Accession No. AA421135, from Hillier, L. et al. (November 1997).	
	BI	NCBI Entrez, GenBank Report, Accession No. AA668793, from NCI-CGAP (November 1997).	
	BJ	NCBI Entrez, GenBank Report, Accession No. AA694551, from NCI-CGAP (1998).	
	BK	NCBI Entrez, GenBank Report, Accession No. AA743312, from NCI-CGAP (1998).	
	BL	Pir56 database, Accession No. S54622, de Haan et al. (July 1995).	
	BM	Database EST-STS on MASPARG search, WashU-Merck EST Project (St Louis MO, USA) No. T48838, from Hillier et al., "yb05e06.r1 Homo sapiens cDNA clone 70306 5'," (February 1995).	
↓	BN	Genbank Report, Accession No. AA082161, submitted by Hillier et al. (July 1997).	
	BO	Genbank Report, Accession No. H03613, submitted by Hillier et al. (June 1995).	

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DJ	BP	Genbank Report, Accession No. R54717, submitted by Hillier et al. (May 1995).	
	BQ	Genbank Report, Accession No. H27167, submitted by Hillier et al. (July 1995).	
	BR	NCBI Entrez, GenBank Report, Accession No. H03503, from Hillier, L. et al. (June 1995).	
	BS	NCBI Entrez, GenBank Report, Accession No. N34911, from Hillier, L. et al. (January 1996).	
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	BU	Genbank Report, Accession No. N49615, submitted by Hillier et al. (February 1996).	
	BV	S. Vukicevic et al., "Induction of nephrogenic mesenchyme by osteogenic protein 1 (bone morphogenetic protein 7," Proc. Natl. Acad. Sci. USA, 93:9021-9026 (1996).	
	BW	J. Skolnick et al., "From genes to protein structure and function: novel applications of computational approaches in the genomic era," Trends in Biotechnology 18(1):34-39 (2000).	
	BX	T. Doerks et al., "Protein annotation: detective work for function prediction," Trends in Genetics 14(6):248-250 (1998).	
	BY	T.F. Smith et al., "The challenges of genome sequence annotation or 'the devil is in the details'," Nature Biotech. 15:1222-1223 (1997).	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

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